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			PCT/EP 03	3/50873		
A. CLASSI IPC 7	FICATION OF SUBJECT MATTER C07F9/6564					
According to	International Patent Classification (IPC) or to both national classific	cation and iPC				
	SEARCHED					
IPC 7	Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07F					
Documentat	ion searched other than minimum documentation to the extent that	such documents are include	ded in the fields s	earched		
Electronic d	ata hasa consulted during the Internal legal popular frame of data h					
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data, WPI Data, PAJ						
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT					
Category *				Relevant to daim No.		
A X	PASS F ET AL: "ORGANISCHE VERBINDUNGEN DES PHOSPHORS. I. MITT. UEBER DIE DARSTELLUNG PRIMAERER PHOSPHINE DURCH REDUKTIVE METHODEN" MONATSHEFTE FUR CHEMIE, SPRINGER VERLAG. WIEN, AT, vol. 90, 1959, pages 148-156, XP009005184 ISSN: 0026-9247 cited in the application page 155, paragraphs 1,2		2,4,6 1,3,5			
	·	-/				
X Furth	er documents are listed in the continuation of box C.	Patent family me	embers are listed i	n ennex.		
*A' document defining the general state of the art which is not considered to be of particular relevance *E' earlier document but published on or after the international filing date *I'. document which may throw doubts on priority daim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O' document referring to an oral disclosure, use, exhibition or other means *P' document published prior to the international filing date but later than the priority date claimed *T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the thrention *X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone of the means *Y' document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *Z' document member of the same patent family						
Date of the a	ctual completion of the international search	Date of mailing of the	International sear	ch report		
	March 2004		07/04/2004			
Name and m	alling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Far. (431-70) 340-3018	Authorized officer Koessler	. J-L			

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	(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
A	HINKE A ET AL: "ZUR KENNTNIS DER ORGANOPHOSPHORVERBINDUNGEN, XXII 1,2-DIARYL-1,2-DIBROMDIPHOSPHANE ON ORGANOPHOSPHORUS COMPOUNDS, XXII 1,2-DIARYL-1,2-DIBROMODIPHOSPHANES" CHEMISCHE BERICHTE, VERLAG CHEMIE GMBH. WEINHEIM, DE, vol. 116, no. 5, September 1983 (1983-09), pages 3003-3010, XP009005658 ISSN: 0009-2940	. 2,4,6			
X	cited in the application Gl. 2a page 3004	1,3,5			
A	HENDERSON W A ET AL: "Some Apsects of THE CHEMISTRY OF Cyclopolyphosphines" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 85, 1963, pages 2462-2466, XP002233272 ISSN: 0002-7863 cited in the application	2,4,6			
X	page 2466, left-hand column, paragraphs 1,2	1,3,5			
Α .	SCHISLER A ET AL: "SYNTHESIS, PROPERTIES, STRUCTURE AND REACTIVITY OF SODIUM 2,3,4,5-TETRA-TERT-BUTYLCYCLOPENTAPHOSPHAN IDE" PHOSPHORUS, SULFUR AND SILICON AND THE RELATED ELEMENTS, GORDON AND BREACH SCIENCE PUBLISHERS, AMSTERDAM, GB, vol. 177, no. 6/7, 2002, pages 1447-1450, XP009005162 ISSN: 1042-6507 the whole document	1-9			
A	BAUDLER M: "CHAIN AND RING PHOSPHORUS COMPOUNDS-ANALOGIES BETWEEN PHOSPHORUS AND CARBON CHEMISTRY" ANGEWANDTE CHEMIE. INTERNATIONAL EDITION, VERLAG CHEMIE. WEINHEIM, DE, vol. 21, 1982, pages 492-512, XP009005878 ISSN: 0570-0833 the whole document	1-9			
A	BLOOMFIELD P R ET AL: "DIRECT PREPARATION OF PHENYLPHOSPHINE DILITHIUM" JOURNAL OF APPLIED CHEMISTRY, SOCIETY OF CHEMICAL INDUSTRY. LONDON, GB, 25 April 1959 (1959-04-25), pages 541-543, XP009005175 the whole document	1,3-5			
	-/				

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		PCT/EP US	3/ 500/ 3	
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category •	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
A	KUHN N ET AL: "DICHLORO(TETRAMETHYLPYRROLYL)PHOSPHANE, BIS(TETRAMETHYLPYRROLYL)CHLOR OPHOSPHANE, TRIS(TETRAMETHYLPYRROLYL)PHOSPHANE, 1,1,2,2,-TETRAKIS(TETRAMETHYLPYRROLYL)DIPH OSPHANE, TETRAKIS(TETRAMETHYLPYRROLYL)CYCLOTETRAPHO SPHANE - (C4ME4N)PCL2, (C4ME4N)2PCL, (C4ME4N" SYNTHETIC METHODS OF ORGANOMETALLIC AND INORGANIC CHEMISTRY, XX, XX, vol. 4, 1997, pages 76-79, XP001122390 the whole document		1,3,4	
A	JUTZI P ET AL: "PENTAMETHYLCYCLOPENTADIENYL-SUBSTITUTED PHOSPHANES, DIPHOSPHANES, CYCLOPHOSPHANES, 1,2-DIPHOSPHASELENIRANES, DIPHOSPHENES-CP*PX2(X = CL, BR, H), CYCLOÄCP*PÜ3, CP*-P-SE-P-CP*, (CP*)(I)P-P(I)(CP*), CP*-P=PCP*, AR*-P=P-CP*" SYNTHETIC METHODS OF ORGANOMETALLIC AND INORGANIC CHEMISTRY, XX, XX, vol. 3, 1996, pages 113-118, XP001122389 the whole document		1,3,4	
A	BAUDLER M ET AL: "MONOCYCLIC AND POLYCYCLIC PHOSPHANES" CHEMICAL REVIEWS, AMERICAN CHEMICAL SOCIETY. EASTON, US, vol. 93, 1983, pages 1623-1667, XP002233273 ISSN: 0009-2665 the whole document		1-9	
	,			



Int all application No.

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inter	mational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This inte	rmational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
	As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2. X	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
	As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the dalms; it is covered by claims Nos.:
Remark	on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 2 completely; 1, 5 partially

Claims 1, 2, 5 concern a process for preparing a cylcoorganylphosphane by reaction of dihalo(organyl)phosphane with activated zinc in an organic solvent.

1.1. Claims: 3, 4, 6-9 completely; 1, 5 partially Claims 1, 3-9 concern a process for preparing a cylcoorganylphosphane by reaction of dihalo(organyl)phosphane with an alkali metal or an alkaline earth metal in a non polar organic solvent in the presence of an activator, a di(alkali metal/alkaline earth metal) oligophosphanediide, the preparation and the use thereof.

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.